



Vol. 20 No. 4

Oct. 29, 1900

Oak Grove Creamery Company,

- - DAIRY LUNCH ROOM - -

445 BOYLSTON STREET, COR. BERKELEY, * * * Opp. Y. M. C. A. Building.

Where can be had

Sandwiches of all Kinds, Soups, Tea, Coffee, and Regular Dairy Lunch.

EVERYTHING FIRST-CLASS.

\$6.00 Check for \$5.00. Pure Milk and Cream. All Kinds of Meats.
NELSON L. MARTIN.

TECHNOLOGY MEN

* * *

ARE INVITED TO EXAMINE OUR

KNICKERBOCKER SHOES.

E. W. BURT & CO., Manufacturers and Retailers.

MANUFACTURED AND RETAILED BY US FOR

\$4.00, \$4.50 and \$5.00.

They are equal in value to shoes sold by retailers who **Are Not** manufacturers, for \$7.00 and \$8.00. We have the newest styles made on "Newark" lasts with wide edges, heavy double soles back to the heel, Box Calf, Wax Calf, Enamel, Patent Calf.

BOSTON STORE - - - 40 WEST STREET.

The David Myers Company,
Tailors to Harvard Co-operative Society,

172 Tremont St., Boston.

The Harvard Co-operative Society discount of 15 per cent. allowed to all Tech. students.

Clark's Dairy Lunch,
22 Columbus Avenue.

All our Stews, Soups, Chowders and Chicken Pies are HOME MADE. Chicken Stew, 10c; Beef Stew, 10c.; Lamb Stew, 10c.; Fish and Clam Chowder, 10c.

We use only strictly Fresh Eggs and the best Creamery Butter. Our Coffee is unsurpassed.

George S. Chase.

Harvey S. Chase.

AUDITORS and
EXPERT EXAMINERS OF ACCOUNTS.

Especial experience in audits of Manufacturing and Mill Accounts, of Municipal Accounts; and in examinations of insolvent corporations for creditors or assignees.

REFERENCES:

Manchester Mills, Pacific Mills, Lowell Mfg. Co.
City of Providence, Chickering & Sons, Chapman Valve Mfg. Co.
and to officers of other Corporations, Banks, Trust Co.'s, etc.

8 CONGRESS ST., BOSTON.

Telephone 3660 Boston.

HIBBARD & MASON

(INCORPORATED)

Tailors,
414 Washington Street,

A few doors north of Summer Street.

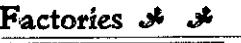
Exhibit specially selected fashionable materials suited to the requirements of those who dress in becoming clothes.

FALL AND WINTER,
1900.

DISCOUNT TO TECH STUDENTS.

Telephone 579 Oxford.

**Wilbur, Campbell, Stephens
Company,**

HIGH-GRADE Factories 
SHIRTS, TROY and
COLLARS and ALBANY,
CUFFS. . . . N. Y.
BOSTON OFFICE:
24 Kingston Street.

THE DRUG SHOP.

H. O. NUTE & CO., Inc.

Everything in the Drug Line, also Full Line Imported
and Domestic Cigars.

PIPES, CIGARETTES & TOBACCO.

J. H. BLANCHARD, Reg. Phar., Manager.

H. O. NUTE & CO., Pharmacist,
335 Columbus Avenue, cor. Dartmouth St.
BOSTON, MASS.

Co-operative Discount.

Students Will Find...

SUPERIOR

Drafting Instruments,
Drawing and Blue Process Papers,
Scales, Triangles, Curves,
T Squares, Colors, Etc.,
AT THE MANUFACTURERS.

Wadsworth, Howland & Co.,
INCORPORATED.

218 CLARENDON STREET.

Main Office: 82 & 84 Washington St., Boston.
Factories: Malden, Mass.

SPECIAL RATES TO STUDENTS.

THE

WESTMINSTER,

THE NEW HOTEL IN
COPLEY SQUARE.



EUROPEAN
 PLAN

HARRY L. BROWN,
Manager.

The Official Tech Pin.

Gold Plated on Silver, \$1.00.
Gold, \$2.50. Silver 75 cents.

HENRY GUILD & SON, Manufacturers of HAMMER AND TONGS, and other Society Pins.

433 Washington St., cor. Winter St., BOSTON.

SCIENTIFIC BOOKS

DARRELL & UPHAM,
The Old Corner Bookstore
283 Washington St., Boston.

D. B. FISH,

Formerly of Hotel Berkeley, begs
to inform his old patrons that he
has removed to

The Westminster,

where he now has a model

Hair Dressing Parlor.

SPECIAL RATES TO STUDENTS.

Gifts for All...

...Occasions.

Weddings, Anniversaries,
Birthdays.

Gold, Silver, China and
Novelties.

Class Engraving.

Athletic Prizes. .

A. Stowell & Co., Incorporated.
24 Winter St.



TOP COAT AND SUITS.

The Raglan and the Top Coat are dividing the favor of well-dressed men this season. We show splendid lines of each, excellent in quality, style and fit. Collars that fit properly, correct shoulders and stitching, all show the handwork of tailors *that have no superiors.*

OAK HALL, Washington and Elm Streets.

1900

TECH MEN!

1901

...GO TO...

Newman the Shoeman
COLLEGE SHOEMAKER,

For your Shoes and Rubbers.

79 TREMONT STREET, Tremont Building, Boston,
and Harvard Square, Cambridge.

THE MIDVALE STEEL CO.,

Locomotive and Car Wheel Tires,
Forgings and Castings,
Bar Steel.



Nickel Steel

Forgings

for

Marine Engines.

Ordnance

Forgings

and

Castings.



OFFICE AND WORKS:

PHILADELPHIA, PA.



McMORROW, Formerly with H. H. Tuttle Co.

COLLEGE SHOES

FOR COLLEGE MEN

OPP. YOUNG'S HOTEL.

238 Washington Street, Boston.

I beg to announce the opening of a new

Hair Dressing Room
FOR GENTLEMEN,
with bath attached.

Hotel BERKELEY, Cor. Berkeley and Boylston Streets.

HOWARD CLARK,

Formerly of Marks', Holyoke Street,
Cambridge, Mass.

Hotel Nottingham



The Only Hotel Facing
Copley Square.

Three minutes walk from the
New Back Bay Stations of the
Boston & Albany and N. Y.,
N. H. & H.

Patronage of Tech Students is solicited
in our Cafe.



European Plan.



Check Baggage Back Bay Station, Boston.

A. H. Whipple.

Men's Outfitter.

We call the attention of students to our
select line of Neckwear, Gloves, Hosiery,
Underwear and Pajamas.

E. & W. COLLARS and CUFFS.

A discount to students mentioning
this book.

Agent for the Cambridge Laundry,
work called for and delivered promptly.

A. COHEN, 329 Columbus Ave., Boston.

LEE CATERING CO.,

Restaurant and
Lunch Counter.

MEAL TICKETS. MODERATE PRICES.

Catering in all its Branches.

Choice Candies and Confectionery.

JOSEPH LEE, MANAGER.

**GEO. F. HARDING,
Custom Clothing AND
Uniforms,**

11 BOYLSTON
BUILDING.

OVER CONTINENTAL
CLOTHING HOUSE,
BOSTON, MASS.

Charles A. Hoyle, = = PORTRAITS.

.... Specialty in Platinums

Official Photographer for Tech '99.

288 BOYLSTON STREET, Opp. Subway Entrance.

We Have a Liberal Business Proposition

to make to some Tech. man with a considerable acquaintance in the School.

MEADOW BROOK FARM CO.,
202 DARTMOUTH STREET.

Tech Students

Interested in Photography will find our special Developers and Toning Solutions absolutely the best on the market.

PHOTOGRAPHIC
Chemicals and Supplies
AT LOWEST PRICES.

We operate our own Dark Room for Developing and Printing, and are prepared to give you All work at short notice if required.

PINKHAM & SMITH,
OPTICIANS,
288 Boylston St.

T. E.
Moseley
& Co.



\$3.50

Beyond Question the Finest
Line at this price in Boston.

Others at \$5.00 and upwards.

145 Tremont St., Between Temple Place
and West Street.

10 PER CENT. DISCOUNT TO TECH.

HAWKES,

Tailor,

71 BEACON STREET,

Full Line of

Fall and Winter

IMPORTATIONS

Tel. 1387-3 Hay. Opp. Pub. Garden.

Successors to D. Toy & Co.

Young Men . . .

Will find our Stock replete with
Latest Novelties in

RAIN COATS
FANCY VESTS
REVERSIBLE
TUXEDOS
SUITS
OVERCOATS.

Our Special Hat, Style 2525

\$2.00

is equal to most hats sold for
three dollars

Continental Clothing House,

Washington and Boylston Streets.

BIRTHPLACE OF FRANKLIN.

LONDON OFFICE,
6 SAVILE ROW.

THE LARGEST ASSORTMENT OF FOREIGN WOOLENS SHOWN IN BOSTON.

CO-OPERATIVE.

THE TECH

VOL. XX.

BOSTON, OCTOBER 29, 1900.

NO. 4.

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

HENRY HODGMAN SAYLOR, 1902, *Editor in Chief.*
JOHN CLYDE FRUIT, 1902, *Assistant Editor in Chief.*
WALTER H. FARMER, 1902, *Secretary.*
H. S. MAXSON, 1901.
ROBERT WHITE, JR., 1901.
I. R. ADAMS, 1902.
C. A. SAWYER, JR., 1902.
K. W. ENDRES, 1903.

ALBERT E. LOMBARD, 1902, *Business Manager.*
ARTHUR S. MORE, 1902, *Assistant Business Managers.*
HARRY A. STILES, 1903,

OFFICE HOURS:

Editor in Chief, Monday, 10-11 A. M.
Business Manager, Saturday, 12-1 P. M.

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Subscription, \$2.00 per year, in advance. Single copies, 10 cts. each.

Entered in Post Office, Boston, Mass., as Second-Class Matter.

Press of Lounsherry Nichols & Worth Company.

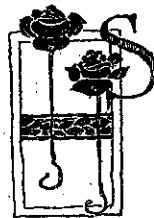


THE TECH notices with deep regret the lack of co-operation between the managements of the Football Team and the Track Games. It is to be deplored that there is not harmony enough in these departments of athletics to prevent such an unfortunate occurrence as the recent conflict in dates. It would seem that in the event of such a question's arising, reference to the Advisory Council should be made. Certainly nothing could do more harm to athletics at Tech than such a spirit of rivalry between two branches. As Senator Lodge said last Wednesday, "Let not the ruler of each little world think his domain the whole

world," but let us all work together for athletics and for Technology.



ROM an athletic standpoint, last Saturday's games at Charlesbank, proved a most gratifying success. Four weeks of hard consistent training at the track, developed a number of surprisingly efficient lower classmen, on whom the Institute can depend for the coming meets in the Spring. The Sophomores and Freshmen are to be congratulated upon their showing at the games, and it is to be hoped that each athlete will start training for the winter meet as soon as the call may be given out. It should be borne in mind that the showing made in the Fall and Winter games, determines to a certain extent, the makeup of the Technology track team next Spring.



ELDOM in the history of the Institute has the student body made such an excellent showing in every way as in the Serenade after the inaugural exercises. Throughout the evening a renewed spirit of pride and affection for Technology showed itself. The men seemed to have re-awakened to the fact that the Institute is something of which we can all feel justly proud. Great credit is due to the Marshals and Aides for the most excellent management of the affair. THE TECH feels assured that the next big demonstration, the Republican Parade, can but add to the college spirit for which we have been striving.

The Inauguration Serenade.

In accordance with plans perfected at the student mass meeting held in Huntington Hall on Monday noon, about one thousand of the Tech men turned out Wednesday evening to serenade President Pritchett.

The students were assembled by classes at the Gym. on Exeter Street and there provided with torches and red lights. At about seven-thirty the procession was formed in two sections, each headed by a band. The first section was composed of the Seniors and Sophomores and the second of Juniors and Freshmen, each class being led by its President.

The line of march was then taken up, in column of fours, across Exeter to Newbury, down to Arlington, then to Marlborough and up to Gloucester to the home of President Pritchett. A rousing Tech yell brought the President and family to the door and he briefly addressed the students, thanking them for the pleasure the gathering had given him. Mrs. Pritchett was cheered quite as much as the President and clearly showed her appreciation.

The line was quickly reformed and proceeded up Marlborough and around *via* Massachusetts Ave., Commonwealth Ave. and Gloucester St., and once more past the President's home with hats off and arms at port. Thence the procession passed up Massachusetts Ave. and down Huntington to Park Square, where the parade was disbanded.

The affair was the first of the year and a very enthusiastic, well-marshaled gathering. The marshals and aides were as follows;—

E. F. Lawrence, '01, Grand Marshal; C. A. Sawyer, Jr., '02, R. White, '01, Aides to Grand Marshal.

First Division: Aides, Maxson, '01, Aldrich, '01, Underwood, '03, Green, '03; Sophomore President, Field.

Second Division: Aides, Adams '02, More, '02, Homer, '04, Crary, '03; Junior President, Cates, Freshman President, Emerson.

M. I. T. Republican Club.

The Republicans of Tech, aroused first by the action of the President of the Senior class and still further incited by the famous showing the Republicans made in the result of THE TECH's canvass, organized for the first time on Thursday, Oct. 18 at 1 P. M. The meeting was held simultaneously with a Democratic one, and the rabid politicians of both sides were kept busy during the preceding days in keeping the facts before the general Institute.

The Republicans obtained Room 22 Walker, and the large lecture hall was filled, a big crowd of men standing in the aisles. In all about three hundred and fifty attended. Mr. Wm. Whipple, '01, took the chair temporarily and suggested at once that the officers of the club be elected and an executive committee appointed. This was done at once and the following officers were elected: President, Wm. Whipple, '01; Vice-President, W. T. Aldrich, '01; Secretary, A. W. Rowe, '01. Executive Committee, J. B. Laws, '01; E. F. Lawrence, '01; G. T. Seabury, '02; L. H. Underwood, '03; M. L. Emerson, '04.

The committee was made thoroughly representative, one man being elected from each class and one at large.

The club having been formed, President Whipple introduced Ex-Senator F. W. Dallinger as the speaker of the day. Mr. Dallinger's speech was short, but exceedingly enthusiastic, and it was received by the students in the manner it deserved. It was devoted to showing what were the capabilities of a college man in the present campaign, and why a man who voted for McKinley in 1896 should not change his opinions now. He mentioned the enthusiasm and devotion shown at Harvard to the Republican cause, and said he was glad to see from statistics that it was not less at Tech. The Ex-Senator closed with best wishes for the Club's success.

New Options of the Course in Chemistry.

BY DR. HENRY P. TALBOT.

A new and systematic series of optional studies has been recently introduced into the Course in Chemistry by the Faculty, with the purpose of enabling students to prepare themselves more thoroughly than has been hitherto possible, for the important special lines of chemical work in which a considerable demand for the services of Institute graduates has been shown by experience to exist. These studies have, however, been so chosen, as not to interfere with the acquisition of a thorough training in all important branches of chemistry, and the time required for the various options has been gained, not by eliminating any of the general instruction in analytical, theoretical, industrial, or organic chemistry, but by transferring certain specialized courses, formerly taken by all students, from the list of required subjects to the appropriate options.

Option I. includes a considerable amount of instruction in mechanical engineering and drawing, and is strongly recommended to students wishing ultimately to occupy positions involving the superintendence of the running of machinery, or other mechanical operations in connection with chemical manufactures. It is essential, however, that the student should have sufficient aptitude for mathematics and drawing to make it probable that he will complete these optional studies successfully. The instruction in engineering subjects includes courses in mechanism and valve gears, with drawing, and in engines and machines, specially adapted to give students of the Course in Chemistry such a knowledge of fundamental principles as will enable them to understand the simpler forms of machinery, to interpret mechanical drawings, and to furnish an adequate foundation for further study.

The training of the students taking this option, differs from that in the Course in Chemical Engineering, in that the former devote by far the larger proportion of their

time to chemical subjects, while the latter are essentially students of mechanical engineering, to which some training in chemistry is added, taking the place of a portion of the drawing and shop work. A large number of the graduates from the Course in Chemistry are now occupying positions for which this option would have offered a desirable preparation.

Option II. comprises the laboratory courses on all the special branches of technical analysis, and also courses in biology, microscopy, and geology. It is designed for those who desire to occupy purely chemical positions, as in the general practice of analytical chemistry, or as chemists in technical laboratories. It affords a general training in chemistry for students who do not care to take the drawing and mathematics of the preceding option, but is less satisfactory as a preparation for manufacturing chemistry than Option I.

Option III. allows specialization in chemical work bearing upon the purification of water and sewage, the examination of food supplies, or upon various industries in which bacterial action plays an important part. The closely related biological subjects are also included.

Option IV. is intended for those who desire to become chemists, or ultimately superintendents of metallurgical works, and includes almost all the metallurgical subjects of the Course in Mining Engineering and Metallurgy.

Option V. forms a complement to the Course in Physics, but with by far the larger proportion of the work on the chemical side. It includes additional mathematics, as well as a number of courses in physics having a chemical bearing, and is intended to meet the needs of those who desire to become teachers, especially in higher institutions, or to fit themselves for scientific research.

This arrangement of optional studies goes into effect this year, as far as the subjects of the first and second year are concerned.

Musical Clubs.

The Glee, Banjo and Mandolin Clubs for the season of 1900-1901 are now quite fully organized and the separate clubs are busy getting in shape for the first concert, to be given late in November. The organization in entirety is as follows:—

President, M. B. Foster, '01; Vice-President, C. A. Whittemore, '01; Secretary, J. C. Fruit, '02; Treasurer and Assistant Manager, R. D. Babson, '03; Manager, H. N. Hudson, '01.

Glee Club: H. K. Hooker, '02, Leader; C. E. Patch, '02, Manager.

First Tenors: F. G. Babcock, '02, G. E. W. Bateman, '03, T. G. McDougall, '04, O. S. Swenson, '03, C. A. Whittemore, '01.

Second Tenors: R. D. Babson, '03, E. Seaver, Jr., '01, J. C. Woodsome, '01, W. P. Davis, '01.

First Basses: S. F. Gardner, '00, C. E. Patch, '02, W. Wellman, '02.

Second Basses: G. W. Allen, '01, H. K. Hooker, '02, H. N. Hudson, '01, L. A. Miller, '01.

Banjo Club: F. R. C. Boyd, '01, Leader; K. Lockett, '02, Manager.

Banjeaurines: D. M. Belcher, '02, F. R. C. Boyd, '01, E. P. Burdick, '01, M. B. Foster, '01, W. I. Mortin, '01.

Banjos: F. D. Allen, '02, H. Y. Currey, '02.

Mandola: H. O. Cummins, '01.

Guitars: S. W. Benson, '04, R. L. Kruse, '03, K. Lockett, '02.

Mandolin Club: J. R. Brownell, '01, Leader; A. W. Higgins, '01, Manager.

Mandolins: J. R. Brownell, '01, F. E. Cady, '01, F. D. Chase, '01, F. J. Field, '02, R. Hazeltine, '04, A. W. Higgins, '01, J. R. Morse, '01, H. W. Sherrill, '04.

Guitars: R. B. Morton, '01.

Flute: L. C. Whipple, '04.

Mandola: (Not yet appointed.)

The schedule of the Clubs' concerts has

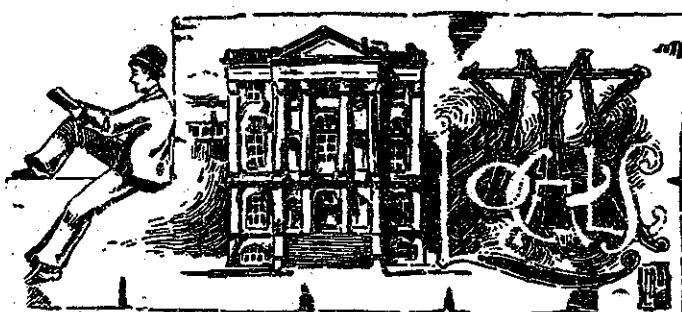
not been fully filled, but the list for the first term as at present arranged is:

November 22nd, Concord Junction, Mass.; December 3rd, Boston College, Boston; December 6th, Colonial Club, Salem; December 19th, Home Concert, Huntington Hall; December 26th, Roslindale; December 27th, Needham; January 10th, Lynn Y. M. C. A.

A Comparison of Schools.

In the proceedings of the St. Louis Railway Club there appeared last winter an exhaustive discussion of The American Technical School and its Relation to Railroads, by L. P. Breckenridge, Professor of Mechanical Engineering, University of Illinois. Following the article the author gives an approximate table of the attendance, location and expenses of the principal Engineering Schools in America. We quote from it:

School.	Year's Tuition.	At. in 1899.
Mass. Inst. Tech., Boston, Mass.	\$200	936
Cornell University, Ithaca, N. Y.	100	713
Sheffield Sci. (Yale), New Haven, Conn.	155	567
Columbia University, New York, N. Y.	150	380
Purdue University, Lafayette, Ind.	Free	377
Ohio State University, Columbus, O.	Free	338
University of Illinois, Urbana, Ill.	Free	287
Lehigh University, S. Bethlehem, Pa.	100	267
University of Mich., Ann Arbor, Mich.	25 to 35	240
University of Wis., Madison, Wis.	100	236
Lawrence Sci. (Harvard), Cambridge, Mass.	150	217
Stevens Inst. Tech., Hoboken, N. Y.	150	214
University of Cal., Berkeley, Cal.	Free	209
Missouri State University, Columbia, Mo.	5	185
University of Minn., Minneapolis, Minn.	Free	183
University of Penn., Philadelphia, Pa.	200	180
Penn. State College, State College, Pa.	Free	158
Renessellaer Pol. Institute, Troy, N. Y.	200	142
Iowa Agr. College, Ames, Iowa.	Free	137
University of Kansas, Lawrence, Kan.	Free	112
Alabama Pol. Institute, Auburn, Ala.	20	101
State College of Ky., Lexington, Ky.	15	96
Western University of Penn., Alleghany, Pa.	100	95
Leland Stanford Jr. Univ., Palo Alto, Cal.	Free	85
Tulane University, New Orleans, La.	20	78
Princeton University, Princeton, N. J.	120	69
West Va. University, Morgantown, W. Va.	37½	54
University of Iowa, Iowa City, Ia.	25	27



All men wishing to enter the inter-class bicycle races send in names *at once* to J. Driscoll, '02, "Cage."

The Tech Society of Western New York held its third annual meeting last month at Buffalo. Among other speakers Professor Lanza addressed the Society.

Charles W. Corbett, Jr., formerly an editor of THE TECH, has taken up journalism and is now Assistant Editor of *The Star Monthly Magazine* of Chicago.

Senior nominations for election of officers for the coming year have been made as follows: Presidents, Wm. Whipple and E. F. Lawrence; 1st Vice-President, W. W. Walcott and P. H. Parrock; 2nd Vice-President, Ed. Seaver and C. A. Whittemore; Secretary, A. W. Higgins, F. W. Puckey; Treasurer, A. W. Rowe; Institute Committee, F. D. Rash and P. G. L. Hilkin; Directors, C. H. Stevens, and G. W. Spear.

For the general information, and in order that the student body may know what is going on, THE TECH would like to continue the Calendar. In so doing however, it would respectfully solicit, and earnestly express the pleasure it would receive in obtaining, the hearty co-operation of the class secretaries and of all the secretaries of the various societies and clubs of the Institute. Blanks, to be filled out with the necessary information may be obtained at the office and should be left at the "Cage."

Democratic Club.

At the Democratic Meeting held on Thursday, October 18th, about seventy men were present and officers were elected and the proceedings gone through with much enthusiasm. The demonstration reached its height when the message from the Harvard Democratic Club was read. The following officers were elected: President, I. R. Adams, '02; Vice-President, P. G. L. Hilken, '01; Secretary, Robert White, Jr., '01; Treasurer, D. F. Haley, '01; Executive Committee, F. B. Webster, '01, H. C. Marcus, '01, L. E. Vaughn, '02, S. W. St. Clair, '01.

Electrical Engineering Society.

At the first meeting of the Electrical Engineering Society the following Committee was elected to provide entertainments during the coming year: Messrs. Kennedy, Sturtevant, Mitchell, Kelley, Woodsome, White, Farnham, Norton, Knox, Flint, Marsh, Miller, Howe, Harris, Bolster, Carter, Blauvelt, Boyd, Dart, Catlin, Allen, Gorfinkle, Perkins and Orvington. Entertainments will be held on the first Tuesday of every month, but on account of the Presidential Election the November meeting will be held on the second Tuesday. The committee in charge of the first meeting consists of Messrs. Catlin, Mitchell and Farnham.

The Autumn Cry.

Thistledown, motionless over the hill,
Hid in the gold of the lazy day,
Waiting for breezes that nestle still
Beyond the hills of the Far-Away:—
Censers of incense, swinging the smoke
From the plain to the hill, from the hill to the sky:
Censers of sadness, swinging aloft,
To the wail of the Autumn Cry.

Over the hill, a butterfly, gay,
Fluttered alone on her lonely way;
And a bird swung high to the hazy sky,
And lingered a moment, a speck in the gray.—
Oh, one must gaze to the purple haze
Where the hills lie low as swallows fly,
And long for a life one never may know,
Beyond the hills where the thistles grow
Away in the mist, where the bird has flown,
Away where the drowsy winds have blown,
In the path of the Autumn Cry. — Cornell Widow.

C. E. Summer School.

The Civil Engineering Summer School under Professor Porter, was held at Sunapee, N. H., from the sixth to the twenty-seventh of June. Mr. K. S. Sweet had charge of the hydraulics and Mr. G. L. Hosmer the topographical branch. There were eleven students taking the course. The situation was excellent, being on one of the prettiest lakes in New England. The work consisted of, first, measuring the base line and then establishing a system of triangulation of what was plotted. A topographical map was then commenced on the scale of 1 to 5,000, with contour intervals of 10 feet. After having covered a square mile of this the men began a hydrographical map of the harbor, getting the different depths by sounding. The work closed with a measurement of the flow of the Sugar River at a point a mile below the lake. This was made by finding the area of cross-section of the river and the rate of flow by meters.

Thanks are due to the people of the neighborhood for making it a very pleasant trip for all concerned.

Architectural Society.

The second regular meeting of the Architectural Society was held on Thursday, Oct. 25. Mr. Emerson made a report for the dinner committee and it was decided to hold a smoke-talk at the Technology Club in the near future and President Pritchett was to be invited to address the club. The new members elected to the club were: H. E. Bartlett, '02, C. H. Boardman, '02, L. E. Vaughan, '02, Carpenter, '03.

The catalog committee reported that the catalog had been very successful financially and a vote of thanks was extended to this committee by the club.

"What did Eve say when she and Adam had to leave the garden?"

"I don't care Adam?"

"No; she said, 'I told you so'."

Electrical Engineering Society.

The first meeting of the Electrical Engineering Society was held October 18th. The meeting was called for business purposes, and resulted in the election of a committee to provide entertainments for the society during the college year.

It is hoped that the meetings this year may be made not only of interest but also of benefit to the members, and with this end in view a number of trips to electrical plants, as well as several interesting talks, are being planned. Later in the year, as usual, senior theses will form the main object of discussion.

All students in courses VI. and VIII. are eligible to membership in the society.

An Innovation.

President Pritchett has introduced an innovation in stopping the class elections being held in the corridor of Roger's this year. The thing was undoubtedly done in order to take away any cause for another "rush" between the lower classes, and, of course, being forbidden one, could not be granted to another. It will be a good thing in many ways, for, by each man receiving a ballot through the mail, he is brought into closer relations with his class and is, as it were, forced to take an interest in what is going on. The new method ought to and will poll many more votes than formerly was the case, and thus the evil of having a few men run all the class politics will be partially remedied.

Calendar.

Monday, Oct. 29th. — TECH Board regular meeting, TECH office at 1 P. M.

Tuesday, Oct. 30th. — Meeting of Technique Board, 4 P. M. Republican Parade at 7 P. M.

Wednesday, Oct. 31st. — Varsity game with Yale Law School, 3 P. M.

Thursday Nov. 1st. — Number 5 TECH issued at 12 M.

Friday, Nov. 2nd. — Regular Y. M. C. A. Student Meeting. Orchestra. Room 11, Rogers, 4.10 P. M. Phinney, '02, speaker.



Manager Hilken has appointed the same cheer leaders who acted in the Stevens game.

Dr. Pritchett will be at the football game between Yale Law School and M. I. T. next Wednesday.

In Saturday's game with Stevens—Pope, '02 and Hooker, '02, two comparatively new men, it being their first appearance with the varsity, proved to be the stars of the game.

Metcalfe, '04, is playing a splendid game at full-back—several spectators after the Stevens game, said his bucking the line reminded them of Ellis, the famous Harvard full-back.

Owing to the fact that Dr. Pritchett will leave for a short visit to Washington about the eighteenth of November, the date of the Cane Rush has been changed from the twenty-second to the fifteenth of November.

On Wednesday, October 31st, our team plays Yale Law School at the South End grounds. We have every reason to expect a victory and every one who calls himself a Tech man should be out to assist in the cheering.

H. B. Wood, '01, was the net prize winner in the large golf tournament at the Oakley Country Club held October 13th. Mr. Wood also came within one stroke of winning the gross prize. Considering the number and class of his opponents, he is to be congratulated on his excellent showing.

"Waiter, this chop is abominably tough! I'd as soon eat a piece of wood!"

"Yes, sir. Shall I bring you a steak, sir?"

Colleges and Preparatory Schools.

The fifteenth annual session of the New England Association of Colleges and Preparatory schools was held in Huntington Hall on Friday and Saturday, October 11th and 12th. The leading feature of the meeting was an address by Professor William MacDonald of Bowdoin College on "The Federation of Educational Institutions." The title promised much more than was forthcoming from the address itself, a large audience having gathered in expectation of hearing some form of educational trust discussed. What really was proposed was a plan whereby all examinations for admission to the New England colleges should be prepared by a common examining board, thus ensuring uniformity in college entrance requirements.

Freshman Bugle Corps.

There has been an effort started to change what has been known in former years as the Bugle Corps connected with the Freshman Battalion, into a military band this year. This endeavor has been approved of by Captain Baird, and yesterday a meeting was held in the Armory by members of the prospective band. The parts as scheduled early this week were as follows: Clarionets, W. L. Dolan, F. C. Starr, P. A. Leavitt, H. G. Chapin; Piccolo, L. C. Whipple; Cornets, C. H. Avery, F. H. Davis, W. F. Goodwin; Trombone, W. E. Hadley, S. Bradley; Tenor Horn, R. A. Wentworth; Bass Horn, G. A. Fairfield; Drums, F. S. Farrel, R. Dennie, H. W. Stevens, S. Hoar, P. M. Paine, H. L. Stevens. Further details will be given in next week's TECH.

Through a most unfortunate misunderstanding the Fall Games were not obtained in time for this issue. The Board sincerely regrets this blunder and will publish them in full on Thursday.

Stevens 0—M. I. T. 35.

It is difficult to form an opinion of the strength of football elevens by comparing scores, but Technology should certainly feel proud of her team, which defeated by 35 points a team against which Columbia and Princeton scored only 45 and 40 points respectively. Stevens was no doubt weakened by the absence of her regular centre and tackles, while M. I. T. had her strongest team on the field, but this played with such spirit and dash, that it deserves full credit for every point scored.

Pope and Metcalfe undoubtedly loom up as the stars of the game, while Dillon, Wilson, Hunter, Hooker and Maxson also played their positions well, but every man on the team played football, and all deserve to be mentioned as having done their part towards carrying off the victory. Unfortunately Maxson sprained his wrist severely about the middle of the first half, and this accident accounts for Tech's numerous fumbles, which kept the score from being larger. Pope and Metcalfe played sensationaly. The former's brilliant runs and excellent defensive work and the latter's wonderful line plunging time after time, bringing the rooters to their feet.

Maxson kicked off to Fagan, who was downed without gain. Stevens gained four yards, but was forced to punt the ball being downed on her own forty-yard line. Pope then ran around right end for twenty-five yards, but Stevens was given the ball for offside play. Allen punted again, but on a fumble by Tech, Stevens again regained the ball. Allen's next punt was blocked, and French fell on the ball behind the goal line for the first touchdown.

Tech's next touchdown was easily gained. Wilson circled the end for forty-five yards and Pope by his second run of thirty yards scored. On the next kickoff Maxson advanced the ball ten yards, and then by continuous line plunging Tech steadily pushed

their opponents down the field, Wilson scoring the third touchdown. In the second half Maxson caught the first kickoff and by a clever run advanced it 50 yards before being downed. Short gains by Pope and Metcalfe carried it over the line for the fourth touchdown.

At this point of the game Stevens braced up and made several short gains, but lost the ball on downs, and after several fumbles and some offside play Allen's kick was blocked and Hunter fell on the ball behind the goal line.

Stevens again made several gains, but Tech held for downs and then easily rushed the ball towards her opponent's goal and Wood scored the last touchdown of the game.

The weather was ideal for football and the only thing to mar the success of the day was the lack of Tech men present; only about one hundred attending.

STEVENS.	M. I. T.
Broadhurst (Bradley), r. e.	Grocker, l. e.
Kalbrasser, r. t.	French, l. t.
Gerdes, r. g.	Hamilton, l. g.
Clark, c.	Hunter, c.
Kent, l. g.	Laws, r. g.
Chadick, l. t.	Roberts (Moorts), r. t.
Gibson, l. e.	Chubb, r. e.
Stokes, q. b.	Maxson, q. b.
Fagan, r. h. b.	Pope (Dillon), l. h. b.
Allen, l. h. b.	Wilson (Wood), r. h. b.
Sadir, f. b.	Metcalfe, f. b.

Score — M. I. T., 35. Touchdowns, French, Pope, Wilson, Metcalfe, Hunter, Wood. Goals from touchdowns, Maxson, 5. Umpire, Wardwell; B. A. A. Referee, Doucette, Harvard. Timer, Wood. Time, 20 minute halves.

Notice to Varsity Men.

No member of the squad will be allowed to take part in the parade on Wednesday night, by order of the Coach, Captain and Manager.

Communications.

The Editors do not hold themselves responsible for opinions expressed by Correspondents.

TO THE EDITORS OF THE TECH:

There has been much said in regard to the difficulty in getting Tech men to come out to try for the Athletic Teams, and the reason given is that the studies require too much of a man's time to leave any for athletics. There are, however, other causes which discourage the men who do come out, to an example of which we wish to call attention.

Captain Frost has shown great interest in getting men out to train for the Fall games, and has spent much time in helping those who did so. He was unable however, to tell us the date of the games because no meeting of the Executive Committee of the Athletic Association had been held, to make definite arrangements. Knowing, as every athlete does, that men should know the date of the events for which they are training well in advance, he took the responsibility of telling us that the games would be the 20th.

That the games conflicted with one of the home games of the Football Team is unfortunate, and this would have been avoided if the date had been fixed by the Executive Committee at the beginning of the term instead of only four days in advance of the games. When the date was fixed it was not posted in the bulletin board of the Association, neither was it published in THE TECH. The contrast between this method of management and that of the Football Association with its extensive notices and printed schedules is one not likely to impress the new students with the energy of the M. I. T. A. A.

This is only one of many instances of the method of the Athletic Association in not deciding questions until the last moment, and of taking no pains to call the attention of the students to its decisions. Such a policy as this cannot but be harmful to the interests of athletics at the Institute.

F. H. HUNTER, '02. G. B. MANSON, '03.
 W. P. R. PEMBER, '02. R. PAYNE, '02.
 C. M. DEARDEN, '01. K. D. JEWETT, '03.
 FRED PEASLEE, '03. L. C. HAMMOND, '02.
 H. B. PULSIFER, '03. S. T. WORCESTER, '04.
 A. M. READ, '04.



'91, '95 and '96. Morris Knowles, Course I., John H. Gregory, '95, Course I., and Chas. G. Hyde, '96, Course XI., are employed in the improvement of the Philadelphia Water Supply.

'93. Mr. Chas. F. Hopewell, of Cambridge, has been attending the meetings of International Association of Municipal Electricians.

'94. B. S. Harrison, IV., is engaged on the erection of the new Custom House in New York City.

'95 and '94. Wm. E. Swift, '95, Course I., Ralph N. Wheeler, '95, Course I., Geo. E. Taber, '94, Course I., and Clarence D. Pollock, '94, Course I., are employed by the Rapid Transit Railroad Commission of New York.

'97. Dr. Mortimer Frank, Course I., who has been intimately connected with work of relief of Galveston in its recent disaster, is the chief of staff of the Chicago American's Galveston relief corps. He accomplished much for Galveston.

'98. Mr. L. H. Byam, I., has recently been appointed assistant engineer of the Pennsylvania Division of the N. Y. C. & H. R. R. R.

'99. Lewis R. Whitaker has left his position with E. S. Shaw, which he has filled since his graduation.

'99. Ed. Samuels, II., is with Dean & Main, Mill Engineers, 53 State St., Boston.

'00. J. P. Draper, IX., a former editor of THE TECH is at present attending the Harvard Law School.

'00. Lewis Emery, 3rd, III., entered the Harvard Law School this year.



THE LOUNGER feels happy in being able to say that he has seen some demonstrative enthusiasm infused into the torpid spirits of Tech's evenly-tempered, calm-minded students. THE LOUNGER accompanied a fair sized body of incipient vocalists down to the wooley wilds of the Touraine last year and announced in as prominent a tone of voice as he could command to the large audience of appreciative onlookers that he wanted Dewey. After having enunciated the fact a thousand times, THE LOUNGER felt highly repaid by obtaining a glance at that august individual and returned to his waiting domicile in a profoundly awed and self-satisfied state of mind.

Imagine then THE LOUNGER's promiscuous entanglement of complicated feelings when he observed the homogeneous assemblage of Tech students and torch lights which was collecting with such unnecessary quietness around the environs of that imposing edifice known as the "Gym." THE LOUNGER was actually inspired by the sight and when he was informed that '04 was assembling down Blagden Street, this final blow sent him hurrying down the vertical plane which leads to the halls of athletics and lockers. Once there THE LOUNGER proceeded to invest all his spare cash in fireworks that eventually turned out to be torches and in torches that developed into fireworks. Then THE LOUNGER rose from the depths and calling upon the fence for support, proceeded to await developments and, incidentally, the police. THE LOUNGER had leisure to remark many things. He was greatly edified by the English style of mourning worn by all the officers, and although the night made a change of color necessary in order to produce an impression, still THE LOUNGER would call the attention of all to the fact that a strikingly novel mode of procedure was used in introducing the new custom. THE LOUNGER was also greatly impressed with the superb horsemanship of the two centaur-like aides whose steeds coursed up and down the ranks at a walk as if they likewise were inflamed by the passion for hoofing it that infected the rest of the crowd.

Of what happened thereafter, THE LOUNGER has but the vaguest ideas, he has recollections of conductors using language that would turn a parrot green

with envy; he remembers getting lost up in the dizzy wilds of Beacon Hill and listening to a learned demonstrator of strains and stresses straining his voice while cracking jokes from a second-story window, and of the strains of the band dying away in the distance as the musicians escaped down Charles Street.

THE LOUNGER while recalling reminiscences of the night cannot but help think that he will strike a corresponding, sympathizing vocal chord in the throat of every student when he gives the reply of the student, who, on being the fifth man to start to recite in a hoarse whisper the next morning, and receiving therefor the highly practical information that now was the time for a man who was going out into the world to practice how to speak loudly said in a mournful tone, that he had been practising the night before.

* * * * *

THE LOUNGER feels compelled to speak on a subject which has long caused him hitherto untold pain. He appreciates the fact that the tailors have decreed in solemn council that a man is well dressed in the present season only when his coat fits snugly to his figure and is not unduly long, to say nothing of the necessity for an abundance of shoulder. THE LOUNGER appreciates this decree, but the question which is at present vainly seeking an answer in his troubled brain is "In just what way does one of our sportive Sophomores consider his beauty and effectiveness enhanced by wearing a coat which makes him look like a roped-in ballet girl magnified?" THE LOUNGER would like to further illustrate his meaning with measured drawings showing the lintel shoulder construction, the cone-shaped middle portion and the two-inch flange below the apex which was originally designed to shield him from the wintry blasts. The wily Soph must not allow himself to fall into the mistaken belief that he has received more good cloth than usual by means of the aforementioned annex shoulders, because THE LOUNGER feels fully able to demonstrate to him, by the method of least squares, that all material added to these was taken from his waist. The first shall be last and the last, first.

* * * * *

And has it come to this! "First edition sold out, second edition sold out" . . . (taken n times). THE LOUNGER had confidently expected a proper appreciation of the efforts of the Board in cutting down four most excellent pieces of oratory to the limits of a sixteen-page souvenir, but had he anticipated the mad stampede for copies that did result he would most certainly have had the foresight to prepare a retreat in Rogers Corridor, designed along the line of the Bursar's, as a protection against the sea of would-be purchasers of copies to send to Marys and Ethels. Even as the Bursar is fortified against the rush of men clamoring to pay tuition fees, so would THE LOUNGER have esconced himself against the eager throng.

Hall & Hancock,

Novelties in - - - -

SOFT HATS AND STIFF HATS

Canes, Umbrellas,
Hat Cases and Gloves.

407 Washington Street

Discount to Tech. Students.

Established 1828

CHAUNCY-HALL SCHOOL

HAS LONG MADE A

SPECIALTY OF PREPARATION FOR
TECHNOLOGY.

REFERENCE is made to the President and Secretary of the Institute in regard to the thoroughness with which Chauncy-Hall pupils are fitted, not only for entering the Institute, but also for pursuing successfully their subsequent work. Preparation also for business and for college.

Regular Grammar and High-School
Courses, fitting for Business
and for College.

458 Boylston Street, - - - Boston, Mass.
(OPPOSITE THE INSTITUTE.)

TAYLOR, HAGAR & KURT,
PRINCIPALS.

YEAR ROUND NOVELTIES

NOT ONLY IN

Young Men's Elegant Made-up Clothing

But in all articles appertaining to a Complete
Outfit, viz.:

Hats, Footwear, Underwear, Linen, Neckwear,
Hosiery, Canes, Umbrellas, Travelling
Bags, Mackintoshes and Gloves.

LEADING MANUFACTURERS AND OUTFITTERS IN NEW ENGLAND.

A. SHUMAN & CO.,
SHUMAN CORNER,
BOSTON.

THE SOLE OF COMFORT.

Rebounding cushion centresole.
Ventilates the shoe at every step.
Prevents jar to nerves and spine.
Conforms to every curve of foot sole.
Spreads wear uniformly over shoe
outsole.

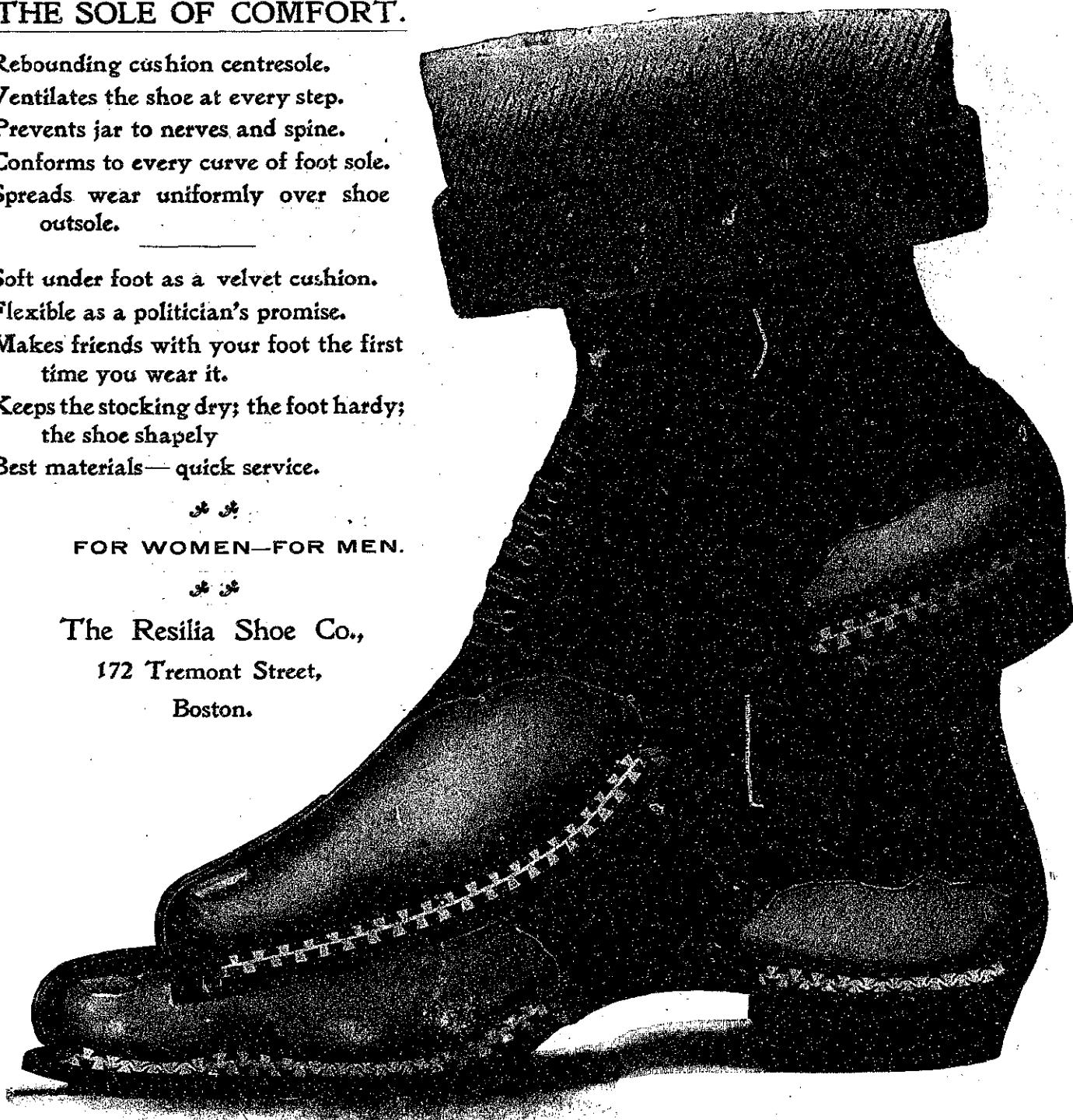
Soft under foot as a velvet cushion.
Flexible as a politician's promise.
Makes friends with your foot the first
time you wear it.
Keeps the stocking dry; the foot hardy;
the shoe shapely
Best materials—quick service.



FOR WOMEN—FOR MEN.



The Resilia Shoe Co.,
172 Tremont Street,
Boston.





Week Commencing October 29, 1900.

Hollis Street Theatre.—This evening will mark the first appearance of Francis Wilson and an entirely new company in his successful comic opera "The Monks of Malabar." Mr. Wilson's stay of two weeks will afford a splendid opportunity to his many admirers.

Boston Theatre.—The Bostonians will open their engagement at the Boston Theatre to-night, in what is thought to be one of their best productions in "The Viceroy."

Columbia Theatre.—"The Cadet Girl" still continues to draw as large audiences as ever. Dan Daly with his inimitable drollery, aided by other favorite comedians, serve to make the performance a most enjoyable one.

S. C. KEITH, JR., '93,
BACTERIOLOGIST
AND CHEMIST,
394 RUTHERFORD AVE., CHARLESTOWN, MASS.

"THE GIRLS ARE FOND OF THESE"

TECH. EMBLEMS.

Greatest Variety.
Lowest Prices.

BENT & BUSH,

387 WASHINGTON ST., BOSTON.

Boston Museum.—Andrew Mack in "The Rebel," presents the production for the first time in Boston at the Boston Museum. A most enthusiastic reception is anticipated.

Keith's Theatre.—Among the attractions for this week are: Lilian Burkhart and company in "A Deal on Change," Hilda Thomas, Lou Hall, Conway and Leland, Inez Parker and others.

Tremont Theatre.—Mrs. Fiske continues to play to crowded houses in "Becky Sharp," the production finding a more successful reception even than that of last year.

Castle Square Theatre.—"Under the Gaslight," will be given by the members of the company for the first time at this popular theatre.

Park Theatre.—Today, New York's phenomenal success, "Lost River" by Joseph Arthur, author of "Blue Jeans," will be presented for the first time in Boston, at the Park Theatre.

Boston Music Hall.—Francesca Redding & Co. in the vaudeville comedy "Her Friend from Texas." Also Julian Rose, Cooke and Clinton, Florence Moore, Gilbert Sarony and others.

MISS POST,
Dancing and Deportment,
Pierce Hall, Copley Sq.,
PRIVATE LESSONS AND CLASSES.
Office hours from 9 to 11 a. m.

HERRICK TICKETS Copley
ALL THEATRES Square.
Telephone 608 and 950 Back Bay.

Geo. H. Greenwood,
9 and 11 BOYLSTON STREET.

FINE BRIAR AND MERCHAUM PIPES * *
SMOKERS' ARTICLES * * * * *
AGENT FOR BBB BRIAR PIPES * * * * *

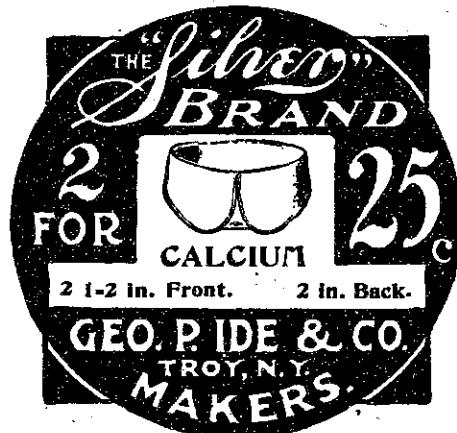
CO-OPERATIVE DISCOUNT.



A. S. ADAMS
Maker of the Official
M. I. T. Pin
8 Winter St., BOSTON.



THOMAS HOOPER,
Maker of
CUSTOM SHIRTS,
352 Washington Street, BOSTON.
Telephone 2902 Boston.



Landers'

Always Open
Quick Service
Polite Attention

Famous Coffee House
and Lunch Room.....

For Ladies and
Gentlemen.

Lunches Put Up
To Take Out.

Our Coffee is Unequalled in the City.

* * *

189 Columbus Ave., cor. Berkeley.
695 Washington Street.

I. N. LANDERS, Proprietor

H. E. SANDERS, Manager

LONDON BOOT SHOPS.

Our business is devoted chiefly to



YOUNG MEN'S SHOES.

Our Shoes are made on the newest English models, staunch and up-to-date.
10 per cent discount to "Tech" Students.

COES & STODDER,

78 Boylston Street, and 14 School Street, Boston.

Gentlemen's Hair Cutting
and Shaving

. . . Parlor

HOTEL OXFORD,
Huntington Avenue. Exeter Street.
GRIFFITH & STORER.

SPECIAL ATTENTION
GIVEN TO STUDENTS.

RAZORS HONED
AND CONCAVED

Flowers.

Candies.

Artistic Floral Arrangements
to suit the most fastidious.....

**THORNDIKE FLOWER
STORE.**

230 Boylston St. Telephone 101 B.B.
SPECIAL DISCOUNT TO STUDENTS.

KEEP'S HATS.

CORRECT SHAPES
AND COLORS IN
DERBY & ALPINES.

\$2 00
Other stores
sell this qual-
ity for \$3.00.

* * *

Collars.

We make all styles, they are 4-ply 200 linen,
and cost you only 15 cents each. No need
to pay 25 cents, you will get no better.

* * *

Keep's Dollar Shirts.

All shapes, all sizes, all sleeve lengths.

Keep Manfg. Co.,

156 Tremont St., near West St.

Royal

Dairy Lunch,

11 & 12 Park Square,
BOSTON.

A. C. STONE, Proprietor,

C. H. MANSFIELD, Manager.



OPEN ALL NIGHT.

LUNCHES put up to take out.

WRIGHT & DITSON,
FINE ATHLETIC GOODS.

Every Requisite for Football, Hockey, Skating,
Basket Ball, Photography, Gymnasium.

TETHER BALL, a new game invented by Mr. Lehmann, of
Oxford College, England.

CATALOGUES, SAMPLES, ETC., SENT
POSTPAID TO ANY ADDRESS . . .

Mail Orders Given Prompt and Careful Attention.

WRIGHT & DITSON,
344 Washington Street, ...Boston, Mass.

ALL GOODS REQUIRED BY
STUDENTS AT

MacLachlan's,
214 Clarendon Street.

Drawing Instruments and Materials, etc.

Fountain Pens, Text Books.

J. BOWEN,
Custom Tailor.

• • •
Clothes cut and made to order in the Latest
Style. Also Pressing, Cleaning and Altering
at a very low price.

• • •
39 St. James Avenue,
under Hotel Ludlow, cor. Clarendon Street.

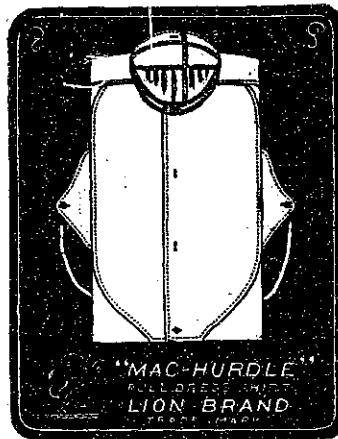
PLEASE GIVE ME A CALL.

Students, Attention!

At TRINITY COURT PETIT LUNCH, one minute's walk from Technology buildings, you can get the best and at the most reasonable prices in Boston.

Service and cuisine unexcelled.

TRY US.



Patented Perfect Fitting

MAC-HURDLE FULL DRESS SHIRT

Never bulges no matter under what condition of body posture it is worn.

FOR SALE BY ALL DEALERS.

Manufactured by

United Shirt & Collar Co.,
TROY, N. Y.

W.M. P. CHURCH, Manager.

Special Announcement.

St. Botolph Hall Cafe.

38 ST. BOTOLPH STREET.

Regular Weekly Board (3 meals a day)	\$5.00
21 Breakfasts — Ticket	5.00
21 Luncheons	4.00
21 Dinners	7.00

COMBINATIONS:

7 Breakfasts, 7 Luncheons, 7 Dinners —	Ticket, \$5.50
II " " " IO " " " 6.00	

Patronage of Technology Students
respectfully solicited.

M. DWYER.

THE BRUNSWICK,

BOSTON.

Boylston and Clarendon Streets,

(Adjoining Copley Square.)

Near the Museum of Fine Arts, New Public Library, New Old South Church, and opposite Trinity (Philips Brooks') Church and Institute of Technology.

KEPT ON BOTH AMERICAN
AND EUROPEAN PLANS.

BARNES & DUNKLEE, Proprietors.

H. H. BARNES, Manager.



BROKEN BRIC-A-BRACS.

Mr. Major, the famous cement man, of New York, explains some very interesting facts about Major's Cement.

The multitudes who use this standard article know that it is many hundred per cent. better than other cements for which similar claims are made, but a great many do not know why. The simple reason is that Mr. Major uses the best materials ever discovered and other manufacturers do not use them, because they are too expensive and do not allow large profits. Mr. Major tells us that one of the elements of his cement costs \$3.75 a pound, and another costs \$2.65 a gallon, while a large share of the so-called cements and liquid glue upon the market are nothing more than sixteen-cent glue, dissolved in water or citric acid, and, in some cases, altered slightly in color and odor by the addition of cheap and useless materials.

Major's cement retails at fifteen cents and twenty-five cents a bottle, and when a dealer tries to sell a substitute you can depend upon it that his only object is to make larger profit.

The profit on Major's cement is as much as any dealer ought to make on any cement. And this is doubly true in view of the fact that each dealer gets his share of the benefit of Mr. Major's advertising, which now amounts to \$5,000 a month, throughout the country. Established in 1876. Insist on having Major's. Don't accept any off-hand advice from a druggist.

If you are at all handy (and you will be likely to find that you are a good deal more so than you imagine) you can repair your rubber boots and family shoes, and any other rubber and leather articles, with Major's Rubber Cement and Major's Leather Cement. And you will be surprised at how many dollars a year you will thus save.

If your druggist can't supply you, it will be forwarded by mail; either kind. Free of postage.

**DR. ALPHEUS P. BROWN,
DENTIST,**

201 CLARENDON ST., BOSTON.
Next to The Brunswick.

Telephone,
No. 1431-2 Back Bay.



In writing advertisers kindly mention THE TECH.

F. L. DUNNE,

Maker of ← →

Men's Clothes.

**CORRECT
LONDON NOVELTIES
FOR EVERY
OCCASION.**

Sporting Garments

OF ALL DESCRIPTIONS.

**Transcript Building, * 328 Washington St.,
BOSTON.**

Browning, King & Co.,

Clothiers and Outfitters

**700 Washington Street,
BOSTON**

**Are now prepared to show
FALL NOVELTIES IN CUSTOM DEPARTMENT
at their well known popular prices —**

**Suits to order, \$16.00 and up
Overcoats to order, \$15.00 and up
Trousers to order, \$ 5.00 and up
Raglans to order, \$18.00 and up**

GARMENTS READY TO WEAR

**are just about as good as custom and
prices are just a little less.**

**In both lines of goods we claim
"NO CLOTHING FITS LIKE OURS."**

Everything in Furnishings and Hats

for the most fastidious dresser.

Fall, 1900.

**MATTHEW KING,
Manager.**

Tech. Class Photographers.

Notman Photographic Co.,

384 BOYLSTON ST.,

and 3 PARK ST.

Also 1286 Massachusetts Ave.,
Cambridge.

Special Rates to all Tech. Students.



J. C. LITTLEFIELD,

Tailor and Outfitter,

12 Beacon Street,

Boston.

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order.

Golf Breeches, Riding Breeches, and Dress
Suits a Specialty.

DISCOUNT TO STUDENTS.

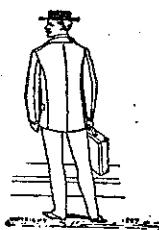
**MARKS COMPANY,
Merchant Tailors,**

6 BEACON STREET,

(Opp. head of Somerset St.)

WE CLAIM TO BE ABLE TO
PLEASE EVERYBODY.

YOU WILL FIND, ON EX-
AMINATION, THAT WE
CARRY A FULL LINE
OF THE



**LATEST AND MOST
EXCLUSIVE DESIGNS**

AND THAT WE ARE THEREFORE ABLE TO
SUIT THE MOST FASHIONABLE AND FASTI-
DIOUS TASTES.

Overcoats a Specialty.

OUR PRICES \$25.00 AND UP.

**YOUNG MEN'S
UP-TO-DATE CLOTHING**

AT MODERATE PRICES.

Our Fall and Winter Suits and Overcoats are comparable with custom work in correct style, perfect fit and superior tailoring, made of the same cloths your tailor uses at half the price.

WE SHOW

The fashionable Stripe Tweed Suits, as well as Worsteds and Cheviots in large variety. Many with Raglan Shoulders

AT \$10 TO \$20.

Raglan and Paletot Overcoats
of the new cloths, correct in shape and fit,
\$12.50 to \$25.00.

Vicuna Prince Albert Coats and Vests,
both black and Oxford Gray, Silk Faced,

\$18. to \$22.

Evening Dress and Tuxedo Suits
at Reasonable Prices.

The Best Grade Hats and Furnishings at Popular Prices.
We invite comparison.

Satisfaction Guaranteed in every respect, or money refunded.

**SPITZ BROS. & MORK,
65-69 Summer Street.**